## United States Patent [19]

Livits

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[54]	ONE-HANDED KEYBOARD		
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[56]	References Cited		
U.S. PATENT DOCUMENTS			
	4,067,431 4,201,489 4,516,939	1/1978 5/1980 5/1985	
FOREIGN PATENT DOCUMENTS			
		9/1916 3/1987	France 400/472
OTHER RIBITCATIONS			

OTHER PUBLICATIONS

IBM Technical Disclosure Bulletin, "Keyboard for Handheld Computer", vol. 27, No. 10A (Mar. 1985), pp. 5643-5645.

McCornack, W. C., "Single Keybutton Four-Way

Switch", IBM Technical Disclosure Bulletin, vol. 21, No. 8 (Jan. 1979), p. 3261.

Bequaert, F. C., "Portable High Speed Keyboard", IBM Technical Discloure Bulletin, vol. 23, No. 7A (Dec. 1980), p. 3016.

"Changeable Key Pad Overlay and Key Pad Panel", IBM Technical Disclosure Bulletin, vol. 29, No. 5 (Oct. 1986), p. 2199.

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## 57] ABSTRACT

A one-handed keyboard is disclosed which includes a stationary base and a rocking keyboard which is mounted for rocking movement between a normal level position and right and left depressed positions. A selector key is mounted on the rocking keyboard for rocking therewith and also being pivotally mounted for movement between a normal upper or raised position and a lower postion to which it moves when the user rests the palm of his hand on it. A cluster of keys is provided, each of which is multi-function representing a plurality of alpha-numeric characters and/or symbols that can be typed or entered by selective actuation of the character keys, rocking keyboard, selector key and a shift key by movements of one hand and movements of the fingers thereof.

## 11 Claims, 2 Drawing Sheets

